MCOG Application Note 7:
Requirement 1-of-1 Applied to Smart Homes and Consumer AIoT Systems
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1. Purpose

This Application Note demonstrates how the Moral Covenant of Governance (MCOG) Requirement 1-of-1 can be applied to Smart Homes and consumer-facing AIoT devices while preserving the framework's technology-agnostic nature.

2. Requirement 1-of-1 (Full Recap)

Requirement 1-of-1 is the single, essential standard at the heart of the Moral Covenant of Governance (MCOG). Its key innovation is that compliance creates an **auditable system state** — not a metaphysical wish list.

Any system of governance that seeks to prevent tyranny and support sustainable liberty **MUST** be in full compliance with the three universal moral pillars — Adherence to the Golden Rule/Reciprocity, Protection of the Commons/Stewardship, and Securing of Unalienable Rights — as the necessary and sufficient condition for a sustained Virtuous Cycle of Liberty. This is achieved through the operationalization of the pillars via a modest body of derivative positive law (or system guardrails) that is generated from, tested against, and kept perpetually compliant with those pillars.

3. Mapping the Three Pillars to Smart Homes and Consumer AIoT

- **Golden Rule / Reciprocity**: Do devices and platforms treat users in ways the operators would accept if roles were reversed? This challenges manipulative data practices or asymmetric control.
- **Protection of the Commons / Stewardship**: Are shared digital resources (bandwidth, personal data, device networks) managed sustainably, or are they being plundered through excessive collection and monetization?
- **Securing of Unalienable Rights**: Do systems preserve user agency, privacy, consent, and the ability to opt out or override automated decisions? Do they avoid surveillance creep or erosion of psychological sovereignty?

4. Functional Interface

Smart home platforms and AIoT devices should provide the Three-Pillar Compliance Filter with:

- Policy or optimization objectives (comfort, efficiency, monetization)
- Relevant telemetry and behavioral data
- Proposed automated actions or configuration changes

The Filter returns:

- Compliance decision (Permit / Deny / Modify)
- ROLIS/ROTIS impact assessment

- Recommended adjustments

This interface can be implemented as an edge-level policy wrapper or cloud audit layer.

5. Examples

- **Voice Assistants and Behavioral Profiling**: A smart home AI continuously analyzes conversations and routines to optimize advertising or third-party data sales. **Filter Outcome**: Violation of Pillar 3 (privacy erosion) and Pillar 2 (data commons plunder). Recommendation: Strong opt-in consent and minimal data retention.
- **Smart Thermostat / Energy Optimization**: An AIoT system dynamically adjusts home temperatures based on grid demand without clear user consent. **Filter Outcome**: Potential violation of Pillar 1 (asymmetry) and Pillar 3 (agency). Recommendation: Transparent user overrides and equitable default settings.

6. Benefits and Implementation Guidance

Requirement 1-of-1 helps manufacturers and platforms build trustworthy consumer AIoT products, reduces privacy and safety risks, and builds long-term customer confidence. Companies can begin with design-time policy reviews and evolve toward real-time device-level filtering.

Future Work: Integration guidelines for popular consumer platforms and user studies on perceived trust.

Document Availability

The full technical specification, logic proofs, and structural taxonomies are published under Creative Commons licensing as a public-domain Request for Comments (RFC).

- ***Open Standard for the Identification and Prevention of Tyrannical Governance: The Moral Covenant of Governance (MCOG) — Requirement 1-of-1, May 2026; Free download:*** *https://archive.org/details/open-standard-mcog-req-1-of-1-v-01*
- ***Addendum A: The Three-Pillar Compliance Filter — Functional Specification and Examples, to Open Standard for the Identification and Prevention of Tyrannical Governance: The Moral Covenant of Governance (MCOG) — Requirement 1-of-1, July 2026; Free Downloads:*** *https://archive.org/details/open-standard-mcog-req-1-of-1-addendum-a-v-01*
- **The full MCOG body of work, including all application notes, are available for Free Downloads here:** https://archive.org/details/@michael_fargano/uploads
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"Power without moral anchors eventually corrupts. Requirement 1-of-1 is that anchor."